

Special Issue

Appetite, Eating Behaviors and Obesity

Message from the Guest Editor

The regulation of food intake is becoming an increasingly important global issue due to the significant and continual rise in obesity. There are limited treatments and efficacy for reducing appetite and food intake to reduce weight. The influence of dietary nutrients along with the products of bacterial fermentation as key factors in stimulating and regulating peripheral neural targets suggests a significant link between the enteric nervous system, the autonomic nervous system, and the hypothalamic centres of appetite regulation. The neurohormonal and cellular mechanisms arising in the gut in response to the luminal environment, leading to communication with intrinsic and extrinsic neuronal innervation, are fundamental pathways in appetite and eating behaviours. Indeed, the influence of diet and microbial fermentation products on food choices are clearly evident, following, for example, Roux-en-Y gastric bypass and alterations to the gut microbiome.

Our goal is to provide the latest research and opinions on the pathways regulating appetite and food choices into their treatment of obesity.

Guest Editor

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Message from the Editorial Board

Nutrients is an on-line open access journal that was first published in 2009. *Nutrients* adheres to rigorous peer-review and editorial processes and publishes only high quality manuscripts that address important issues related to the impacts of nutrients on human health. The Impact Factor of *Nutrients* has risen rapidly since its establishment and it is now ranked in the first quartile of journals publishing in the field of nutrition and dietetics research.

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